

Mr. Haupt exhibited photographs of the apparatus of the Pneumatic Tramway Engine Company, and read extracts from a report to show the greater economy and efficiency of this method of propulsion by compressed air, over the results obtained by the use of horse-power.

Pending nomination No. 872, and new nominations Nos. 874, 875, 876 and 877 were read, and the meeting was adjourned.

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*Stated Meeting, March 21, 1879.*

Present, 13 members.

Vice-President, Mr. FRALEY, in the Chair.

A letter accepting the appointment to prepare an obituary notice of the late Judge John Cadwalader, was received from Mr. Peter McCall, dated March 13th.

Letters of acknowledgment were received from the Prague Observatory (101); the Meteorological Institute, Vienna (101); the Lisbon Academy (100; List); and the American Antiquarian Society, Worcester, Mass. (101).

Letters of envoy were received from Mr. W. B. Rawle, dated Philadelphia, March 7, 1879; and from the U. S. Naval Observatory, Washington, D. C., March 17, 1879.

Donations for the Library were received from the Melbourne Mining Department; Imperial Society of Naturalists, Moscow; Central Bureau of Statistics, Stockholm; R. Prussian Academy; Zool. Anzeiger, Leipzig; Revue Politique, Paris; Society of Commercial Geography, Bordeaux; Victoria Institute, and Nature, London; Literary and Philosophical Society, Quebec; Essex Institute; Mass. Historical Society; Boston Natural History Society; American Antiquarian Society, Worcester; Franklin Institute; Mr. Wm. Brooke Rawle of Philadelphia; U. S. Geol. and Geog. Survey; U. S. Naval Observatory; Dr. A. C. Peale; Mercantile

Library Association, San Francisco; Ministerio de Fomento, and V. Reyes of Mexico; and the R. Academy of History in Madrid.

The death of Mr. Henry J. Williams, at Philadelphia, on the 12th instant, aged 86, was announced by Mr. J. S. Price.

On motion, the Hon. M. Russell Thayer was appointed to prepare an obituary notice of the deceased.

The death of Mr. Jacob B. Knight, at Philadelphia, on the 10th instant, aged 48 years, was announced by Mr. Price.

On motion Dr. Charles B. Dudley, of Altoona, was appointed to prepare an obituary notice of the deceased.

A communication for the Magellanic premium, entitled "Epi- and Hypo-cycloidal Linkages," was presented, and was, on motion placed in charge of Prof. J. P. Lesley, for the examination of members, and for reference to the Board of Officers and Council: accompanying this communication is a sealed envelope, inscribed X. Y. Z.

Prof. Sadtler presented a paper entitled, "Analysis of a Calculus found in a deer, by Edgar F. Smith," and another entitled "On a new and delicate chemical test for iron: by Edgar F. Smith."

Mr. Henry Phillips, Jr., read a brief account of the earthquake which occurred at Aachen (Aix la Chapelle) on Monday, the 26th of August, 1868.

Dr. Norris exhibited a microphone, in which the grating sound frequently heard was prevented by the pressure of a small spring upon the carbon rod.

Pending nominations 872, 874, 875, 876, 877, were read.

Prof. Marks exhibited some pieces of coal representing the theoretical limits of the power of coal, measured by foot pounds and horse power.

And the meeting was adjourned.

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*Analysis of a Calculus found in a Deer. By Edgar F. Smith, Ph.D.*

*(Read before the American Philosophical Society, March 21, 1879.)*

This rather interesting specimen was given me by Mr. Hall, student in the Medical Department of the University. It was found by him in the